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(54) Radiant wave energy-coupled test meter

(57) A sensing probe assembly is provided for an electrical test meter of the type having microprocessor 1300 responsive to electrical signals for changing various aspects of the test meter display 1700 and operating mode functions.

It comprises a first universally movable sensing probe 16 having a probe housing; a wave energy signal transmitter 1650 mounted on said probe housing; power supply coupling means 1604 mounted on said probe housing and electrically coupled to the wave energy signal transmitter 1650 for coupling a source of electrical energy thereto and a sensor 18 mounted to said probe housing for sensing a parameter of an external object. The sensor 18 is electrically connected to the wave energy signal transmitter 1650 for delivering thereto an electrical signal representative of a sensed value of the said parameter. The wave energy signal transmitter 1650 is electrically coupled to the power supply coupling means 1604 for transmitting externally of the probe housing in wave energy form, a signal representative of a sensed value of the said parameter, for receipt by a test meter unit 1000 having a wave energy receiver 1200 associated therewith.

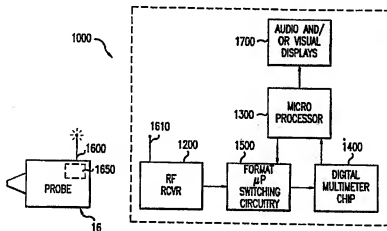


FIG.1